Index of Claims

Application/Control No.

10/759,580 Examiner

Abdelmoniem Elamin

Applicant(s)/Patent under Reexamination

KATSCH, JUDE J.

Art Unit

2116

| <b>√</b> | Rejected |
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| =        | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| O | Objected |

| Cla           | aim      | Date      |          |   | $\neg$   | Г                                   | Claim Date                          |  |                 |          |          |          |          | 1        | CI   | aim  | Date  |           |   |              |                    |          |          |            |  |              |              |                                     |          |          |          |        |          |
|---------------|----------|-----------|----------|---|----------|-------------------------------------|-------------------------------------|--|-----------------|----------|----------|----------|----------|----------|--|--|---|-----------|---|--------------|--------------------|----------|----------|------------|--|--------------|--------------|-------------------------------------|----------|----------|----------|--------|----------|
|               |          |           |          |   |          |                                     |                                     |  |                 |          | ]        |          |          |          | Π  | Г  |   |           | -   |              |                    |          |          |            |  |              |              |                                     |          |          |          |        |          |
| Final         | Original | 8/2/08    |          |   |          |                                     |                                     |  |                 |          | 100      | 5        | Original |          |  |  |   |           |   |              |                    |          | Final    | Original   |  |              |              |                                     |          |          |          |        | ĺ        |
| iĒ            | Ä        | 8         |          |   |          |                                     |                                     |  |                 |          | ដំ       | :        | Öriç     |          | - [  |  |   |           |   |              |                    | 1        | 谎        | Ĕ          |  | 1            | l            |                                     |          |          |          |        |          |
| <u> </u>      |          | Ш         |          |   |          | <u>_</u>                            | L                                   | L  | Ш               | $\Box$   |          | $\perp$  |          |          |  | $\bot$   | _   | $\perp$   | $\perp$   | 丄            | $oldsymbol{\perp}$ | 1        | <u> </u> |            | <u></u>  |              | $oxed{oxed}$ | L                                   |          |          |          |        |          |
|               | 1        | 1         | Ш        |   |          | _                                   | L                                   |  |                 | _        | <u> </u> | _        | 51       |          | _  |  | _   | 4         | $\perp$   | 4            | <u> </u>           | 1        |          | 101        | _  | L            | L            |                                     |          |          |          |        |          |
|               | 2        | 1         |          |   |          | <u> </u>                            | L                                   | _  | Ш               | _        | <u> </u> | _        | 52       |          | _  |  | 4   | _         | 4-  | 4            |                    |          |          | 102        | <u> </u>   | ┖            | L            | L                                   |          |          | $\sqcup$ |        | _        |
|               | 3        | 1         |          |   | _        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u>                            | _  | L               | _        | $\perp$  | 4        | 53       |          | _  | _  | _   | 4         | +   | 4            | -                  | 4        |          | 103        | _  | ╙            | ┖            | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          |          | $\sqcup$ |        |          |
| <u> </u>      | 4        | 1         | $\dashv$ |   | L        | ┡                                   | ⊢                                   | ⊢  | Н               |          | <u> </u> | -        | 54       |          | $\dashv$                                       | -  | +   | 4         | +   | +            | +                  | 4        |          | 104        | ┡  | Ь.           | <u> </u>     | <u> </u>                            |          |          |          |        | <u> </u> |
|               | 5<br>6   | 1         | $\dashv$ |   | ⊢        | ⊢                                   | <u> </u>                            | ⊢  | $\vdash$        | 4        | $\vdash$ | -        | 55       | -        | -  | -+   | +   | -         | +   | +            | +                  | 1        |          | 105        | -  | ├            | <u> </u>     | L                                   | Н        | Н        | $\vdash$ |        | —        |
| ├─            | 7        | 1         | $\dashv$ |   | -        | ┢                                   | ⊢                                   | ├  | -               |          | -        | $\dashv$ | 56<br>57 | $\dashv$ | +  | $\dashv$   | +   | +         |   | ╬            | ╂                  | ł        |          | 106<br>107 | ├-   | ⊢            | H            | <u> </u>                            | Н        | Н        | $\dashv$ |        |          |
|               | 8        | 1         | $\dashv$ |   | Н        | $\vdash$                            | $\vdash$                            | ┢  | Н               | ႕        | $\vdash$ | +        | 58       | $\dashv$ | $\dashv$                                       | $\dashv$   | +   | +         | ╁   | +            | +-                 | ł        | _        | 108        | ⊢  | ┝            | -            | -                                   | $\vdash$ | Н        | $\dashv$ |        |          |
| -             | 9        | 1         |          | _ | H        | -                                   | -                                   | $\vdash$   | Н               | $\dashv$ | -        | $\dashv$ | 59       | $\dashv$ | $\dashv$                                       | +  | +   | +         | ╁   | ╁            | ╁                  | 1        | <u> </u> | 109        | ⊢  | ┢            | Н            | $\vdash$                            | $\vdash$ | $\vdash$ | $\dashv$ |        | _        |
|               | 10       | V         | $\vdash$ |   | ┝        | $\vdash$                            | ╁                                   | ┢  | Н               | $\dashv$ | -        | +        | 60       | _        | +  | ╅  | ┰   | ╅         | +   |              | ┿                  | 1        | <u> </u> | 110        | ┢  | ┢            | $\vdash$     | $\vdash$                            | -        |          | -        |        | _        |
| $\vdash$      | 11       | H         |          |   | $\vdash$ | -                                   | $\vdash$                            |  | Н               | $\dashv$ | -        |          | 61       |          | $\dashv$                                       | $\dashv$   | +   | ╅         | +   | +            | +                  | 1        |          | 111        | -  | <del> </del> | $\vdash$     | $\vdash$                            | Н        |          | -        |        | _        |
|               | 12       | П         |          |   |          | $\vdash$                            | $\vdash$                            | _  | ⇈               | $\dashv$ |          |          | 62       | $\dashv$ | 7  | ╅  | 十   | 十         | _   | ╅            | +                  | 1        |          | 112        | <del>                                     </del> | ┢            | $\vdash$     |                                     |          |          |          |        |          |
|               | 13       | П         |          |   | П        |                                     | $\vdash$                            |  | $\vdash$        | $\dashv$ |          |          | 63       | $\dashv$ | $\dashv$                                       | $\dashv$   | $\dashv$  |           | 7   | +            | ╅                  | 1        |          | 113        | $\vdash$   | $\vdash$     |              | Н                                   | Н        |          |          |        |          |
| $\overline{}$ | 14       | П         | $\Box$   |   |          | Г                                   | Π                                   | <del>                                     </del> | П               |          |          |          | 64       |          | 寸  | 十  | $\top$  | $\top$    | 十   | $\top$       | 十                  | 1        |          | 114        | Т  | T            | Г            |                                     |          |          | $\Box$   |        |          |
|               | 15       | П         |          |   |          |                                     |                                     |  | П               | $\neg$   |          |          | 65       |          | 7  | $\dashv$   | 寸   |           |   | ╅            | 7                  | 1        |          | 115        | $\vdash$   | Г            | Г            |                                     |          |          |          |        |          |
|               | 16       |           |          |   |          |                                     |                                     |  |                 |          |          | $\neg$   | 66       |          | _1   |  | ightharpoons                                      |           |   |              | $\perp$            | ]        |          | 116        |  |              |              |                                     |          |          |          |        |          |
|               | 17       |           |          |   |          |                                     |                                     |  |                 |          |          |          | 67       |          |  |  |   |           |   |              |                    |          |          | 117        |  |              |              |                                     |          |          |          |        |          |
|               | 18       |           |          |   |          |                                     |                                     |  |                 |          |          |          | 68       |          |  |  |   |           |   |              |                    |          |          | 118        |  |              |              |                                     |          |          |          |        |          |
|               | 19       |           |          |   |          |                                     |                                     |  |                 | ┚        |          |          | 69       |          |  |  |   | $\square$ |   |              |                    | ].       |          | 119        |  |              |              |                                     |          |          |          |        |          |
|               | 20       |           |          |   |          | _                                   | L                                   |  | Ш               |          |          |          | 70       |          |  |  | $\perp$   | $\perp$   |   | $\perp$      |                    | ]        |          | 120        |  |              |              |                                     |          |          |          |        |          |
| <u> </u>      | 21       |           |          |   |          |                                     |                                     |  |                 |          | _        |          | 71       | _        |  |  | $\perp$   | _         | ┸   |              |                    |          |          | 121        | L  | L            |              |                                     |          |          |          |        |          |
|               | 22       | Ш         | $\Box$   | _ |          |                                     |                                     | _  | Ш               | _        |          |          | 72       | _        | _  |  | 4   | $\perp$   | ┵   | ┸            | ┸                  |          |          | 122        | <u> </u>   | L            |              |                                     |          |          |          | _      |          |
| <u> </u>      | 23       |           |          |   |          |                                     |                                     | <u> </u>   | Ш               | _        | <u> </u> |          | 73       | _        | _  | 4  | _   | 4         | _   | ┵.           | 4_                 | ļ.       |          | 123        | L  |              |              |                                     | Ш        | Ш        |          |        | _        |
|               | 24       | Н         | $\dashv$ |   |          |                                     | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u>   | Ш               | -        | <u> </u> |          | 74       | $\dashv$ | 4  | 4  | $\perp$   | $\perp$   | 4   | - -          | 4_                 |          | <u> </u> | 124        | L_   | _            | _            | _                                   | Щ        | Щ        |          | _      |          |
| ├─            | 25       | Н         | $\dashv$ |   | _        | <u> </u>                            | <u> </u>                            | H  | $\vdash$        |          | -        |          | 75<br>70 |          | -  | +  | +   | +         | _   | -            |                    | -        |          | 125        | ⊢  | _            | _            |                                     | -        | $\Box$   |          | _      |          |
| <u> </u>      | 26<br>27 | Н         | $\dashv$ |   | Н        | _                                   | ⊢                                   | H  | -               | 4        |          |          | 76       | $\dashv$ | +  | +  |   | -         | +   | +            | +-                 |          | <u> </u> | 126        | ⊢  | _            | _            |                                     | -        | $\dashv$ | $\dashv$ |        |          |
|               | 28       | -         |          |   | $\vdash$ | ⊢                                   | $\vdash$                            | H  | $\vdash$        | ⊣        | ·        |          | 77<br>78 | $\dashv$ | $\dashv$                                       | +  | ┵   | +         | ╬   | +            | +                  |          | <u> </u> | 127<br>128 | -  | H            |              |                                     | -        |          |          | _      |          |
|               | 29       | H         | $\dashv$ |   |          | <u> </u>                            | -                                   | ⊢  | Н               | $\dashv$ | -        |          | 79       |          | $\dashv$                                       | +  | +   | +         | ╁   | +            | +                  | <u> </u> |          | 129        | ⊢  |              | _            |                                     |          |          |          |        |          |
| <u> </u>      | 30       | Н         | -        | _ |          | -                                   |                                     | H  | Н               | $\dashv$ | -        |          | 80       | $\dashv$ | $\dashv$                                       | $\dashv$   | +   | +         | +   |              | +                  | 1        |          | 130        | ⊢  | H            |              | Н                                   |          | -        |          | _      |          |
|               | 31       | H         |          |   | Н        | H                                   | H                                   | -  |                 | $\dashv$ | -        |          | 81       | $\dashv$ | $\dashv$                                       | ┰┼   | +   | $\dashv$  | ╁   | +            | +                  | 1        |          | 131        | H  | H            |              |                                     | -        |          |          |        | _        |
|               | 32       | $\dashv$  |          |   |          |                                     |                                     | -  | H               | $\dashv$ | -        |          | 82       | $\dashv$ | +  | $\dashv$   | +   | +         | +   | +            | +-                 | 1        |          | 132        | -  | ┢            |              |                                     | $\dashv$ | $\dashv$ |          |        |          |
|               | 33       | $\vdash$  | 寸        | _ |          |                                     |                                     |  | $\Box$          | $\dashv$ | -        |          | 83       | 十        | _  | $\dashv$   | +   | 十         | +-  | ╁            |                    | ┪        |          | 133        | ┢  | -            | -            | Н                                   | $\dashv$ |          | -        | -      | _        |
|               | 34       |           | $\neg$   |   |          |                                     | П                                   | Г  | $\vdash$        | $\dashv$ |          |          | 84       | $\dashv$ | 十  | $\dashv$   | 十   | 十         | 1   | $\top$       | $\top$             | 1 .      |          | 134        | $\vdash$   | $\vdash$     | $\vdash$     | Н                                   | $\dashv$ | $\vdash$ | $\dashv$ | 7      | _        |
|               | 35       | $\Box$    | ヿ        |   |          |                                     | П                                   |  | П               | 7        |          |          | 85       | $\dashv$ | 寸  | $\top$   | $\top$  | $\top$    | 1   | $\top$       | Τ                  | 1        |          | 135        | Г  | П            |              | П                                   |          | $\neg$   | $\neg$   |        | _        |
|               | 36       |           |          |   |          |                                     |                                     |  |                 |          |          |          | 86       | 寸        | 寸  | $\top$   | $\neg$  | 十         |   | $\top$       | T                  | 1        |          | 136        |  | П            |              |                                     |          |          | $\neg$   | $\neg$ | _        |
|               | 37       |           | J        |   |          |                                     |                                     |  |                 |          |          |          | 87       |          |  |  |   |           | 丁   | T            | 1                  | 1        |          | 137        |  |              |              |                                     |          |          |          |        |          |
|               | 38       |           |          |   |          |                                     |                                     |  |                 |          |          |          | 88       |          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{T}}}$ |  | I   |           |   |              | L                  | ]        |          | 138        |  |              |              |                                     |          |          |          |        |          |
|               | 39       | $\Box$    | $\Box$   |   |          |                                     | $\Box$                              |  |                 |          |          |          | 89       | $\Box$   | $\Box$   | $oxed{J}$  | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |           | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | $oxed{\int}$ | I                  |          |          | 139        |  |              |              |                                     |          |          |          |        |          |
| <u> </u>      | 40       | $\sqcup$  |          |   |          |                                     | Щ                                   |  | Ш               | _]       |          |          | 90       | $\bot$   | $\bot I$                                       | $\perp$  | $\prod$   |           | $\perp$   |              |                    | ]        |          | 140        |  |              |              |                                     |          |          |          |        |          |
|               | 41       | Ш         |          |   |          | Ш                                   | Щ                                   |  | Ш               | _        | <u> </u> |          | 91       | [        | $\perp$  | $\perp \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$ | $\perp$   | $\perp$   |   |              |                    | Į        |          | 141        |  |              |              |                                     |          |          | $\Box$   |        |          |
| L_            | 42       |           | $\dashv$ |   |          |                                     |                                     |  | Ш               | $\Box$   | <u> </u> | $\perp$  | 92       | $\perp$  | $\perp$  | $\perp$  | _   | _         |   | $\perp$      | $\perp$            |          |          | 142        |  |              |              |                                     |          |          | [        |        |          |
| L             | 43       | $\sqcup$  | $\dashv$ | _ |          | Ш                                   | Ш                                   | L.   | Ш               | _        | ļ        |          | 93       | $\perp$  | _  |  | $\perp$   | _[_       | 1   | 1            | _                  |          |          | 143        | _  |              | $\Box$       |                                     |          |          | $\Box$   |        |          |
|               | 44       | <b></b>   | 4        | _ |          | _                                   | <u> </u>                            |  | Щ               | _        | $\vdash$ | $\bot$   | 94       | _        | $\perp$  | $\perp$  | $\perp$   | _         | 1   | _            | ↓                  | ,        |          | 144        | <u> </u>   | Ш            | Ш            |                                     |          |          | _        |        | _        |
| <u> </u>      | 45       | $\square$ | _        |   |          |                                     | Ш                                   | Ш  | $\sqcup$        | _        | <u> </u> |          | 95       | _        | $\dashv$                                       | 4  | $\perp$   | _         | 1   | 1            | 1                  |          | L        | 145        | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{eta}}}$     | Ш            | Ш            |                                     |          |          | _        |        |          |
|               | 46       | $\Box$    | 4        | _ |          |                                     | $\vdash$                            |  | Ш               | 4        | <u>_</u> | _        | 96       | _        | 4  | 4  | 4   | $\bot$    | 4   | 丄            | +                  | 1        | <u> </u> | 146        | Щ  | Ш            | Ш            | Ш                                   |          | ļ        | _        | _      |          |
| <b> </b>      | 47       | $\sqcup$  | _        | _ | $\dashv$ | Ш                                   | $\sqcup$                            | Щ  | Ш               | _        |          | $\dashv$ | 97       | _        | $\perp$  | $\perp$  | 4   | 4         | 4   | $\bot$       | $\perp$            | Į        | L        | 147        | <u> </u>   | Щ            | Ш            | Ш                                   | _        | _        | _        | _      |          |
| <b> </b>      | 48       | -         |          | 4 |          | $\vdash$                            | Ш                                   | Щ  | $\vdash \vdash$ | $\dashv$ | _        | -        | 98       | _        |  | 4  | -   | 4         | 4-  | 4            | 4                  | Į į      |          | 148        |  | Ш            | Ш            | $\Box$                              | _        | _        | _        | _      | _        |
|               | 49       |           |          | _ |          |                                     | $\vdash$                            | Ш  | $\dashv$        | $\dashv$ | <u> </u> | +        | 99       |          | 4  | +  |   | 4         |   | +-           | ╁                  |          |          | 149        | Щ  | Ш            | Ш            | $\Box$                              |          | _        | _        | 4      | _        |
| لــــــا      | 50       | $\Box$    |          |   |          |                                     | Ш                                   | L  | Ш               |          |          |          | 100      |          | 丄  |  | _L  | L         | L   |              |                    | J        | نـــا    | 150        | Ш  | ш            |              |                                     | I        | 1        |          |        |          |